



International Normalized Ratio (INR)

Alternate Name(s)

International Normalized Ratio, PT, Prothrombin Time

Orderable

INR

Turnaround Time

From time of receipt in the testing lab:

- **Routine:** 4 hours
- **STAT:** 1 hour

Specimen Requirements

Sample Types: Plasma

Containers:

- Adult: 2.7mL Blue Top (3.2% Sodium Citrate) Vacutainer
- Pediatric (0 months-10years): 1.8mL or 1mL Blue Top (3.2% Sodium Citrate) Vacutainer

Minimum Testing Volume: Tubes must be filled to the minimum fill line marked on the tube (when the vacuum exhausts)

Specimen Handling

Special Laboratory Instructions: INR results ONLY may be reported up to 24 hours after collection.

Rejection Criteria: Under or overfilled tubes; clotted samples; hemolyzed samples

Required Documentation

[General Core Laboratory Requisition](#) if not ordered electronically

Method of Analysis

Optical clot detection



Reference Ranges

| Age | Range |
|---------------|---------|
| < 5 days: | 0.9-1.6 |
| 5 days-Adult: | 0.9-1.1 |

Interpretive Comments

Detects abnormalities in the extrinsic pathway. Increased in liver disease, Vitamin K deficiency, obstructive jaundice and hemorrhagic disease of the newborn.

Testing Location

Core Laboratory

Testing Schedule

As required

Storage and Transportation

- Blue (Sodium Citrate) top specimens are kept at 18-24 degrees Celsius.
- Blue (Sodium Citrate) top specimens should be centrifuged within 4 hours of collection and shall be tested within 24 hours of collection.
- Samples are discarded after 24 hours.

Additional Comments or Limitations

- PT results will not be released on patients. For the INR based Maddrey Score please use the following link: [Maddrey Score](#).
- This score is based on ISI and PT control values. Please use current ISI of 1.07 and PT control of 10.9 seconds. These values will be updated when necessary.
- Use MELD score as alternative.

